

p27 Kip1 (Phospho-Thr198) Antibody

Catalog No: #12047



Package Size: #12047-1 50ul #12047-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

Description

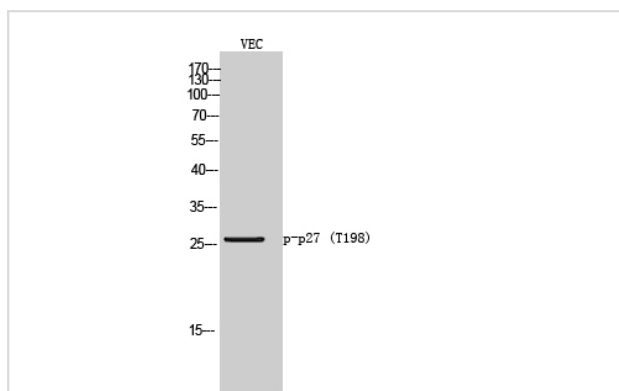
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|-----------------------|--|
| Product Name | p27 Kip1 (Phospho-Thr198) Antibody |
| Host Species | Rabbit |
| Clonality | Polyclonal |
| Purification | Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using non-phosphopeptide. |
| Applications | WB |
| Species Reactivity | Hu |
| Specificity | The antibody detects endogenous level of p27 Kip1 only when phosphorylated at Threonine 198. |
| Immunogen Type | Peptide-KLH |
| Immunogen Description | Peptide sequence around phosphorylation site of Threonine 198 (R-R-R(p)-Q-T) derived from Human p27 Kip1. |
| Target Name | p27 Kip1 |
| Modification | Phospho |
| Other Names | KIP1, MEN4, CDKN4, MEN1B, P27KIP1 |
| Accession No. | Swiss-Prot#: P46527; NCBI Gene#: 1027; NCBI Protein#: NP_004055.1 |
| SDS-PAGE MW | 27kd |
| Concentration | 1.0mg/ml |
| Formulation | Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. |
| Storage | Store at -20°C/1 year |

Application Details

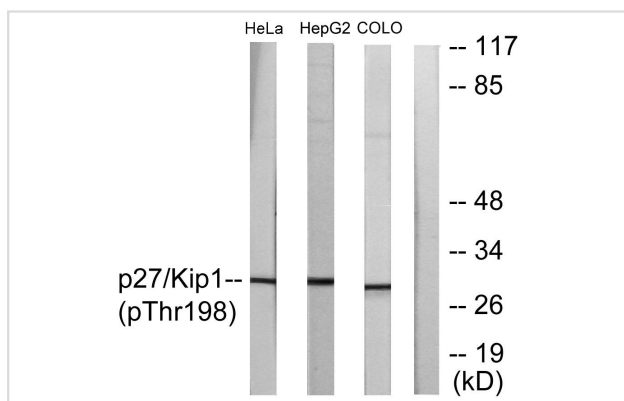
Predicted MW: 27kd

Western blotting: 1:500~1:1000

Images



Western Blot analysis of VEC cells using Phospho-p27 (T198) Polyclonal Antibody



Western blot analysis of lysates from HeLa cells, HepG2 cells and COLO cells, using p27 Kip1 (Phospho-Thr198) Antibody. The lane on the right is blocked with the phospho peptide.

Background

Important regulator of cell cycle progression. Involved in G1 arrest. Potent inhibitor of cyclin E- and cyclin A-CDK2 complexes. Forms a complex with cyclin type D-CDK4 complexes and is involved in the assembly, stability, and modulation of CCND1-CDK4 complex activation. Acts either as an inhibitor or an activator of cyclin type D-CDK4 complexes depending on its phosphorylation state and/or stoichiometry.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.